



HELLER BROTHERS CO.

A NEW JERSEY CORPORATION
NEWCOMERSTOWN, OHIO

This PRICE LIST applies to following BRANDS:
HIGHEST QUALITY — HELLER NUCUT

COMMERCIAL GRADE — JOHNSON, BLACK KING
Domestic list prices per dozen of Files and Rasps

NOVEMBER 22, 1952

AMERICAN
PATTERN FILES

When ordering "NUCUT" Brand Mill or
Saw files, kindly specify whether WAVY
TEETH or SINGLE CUT files are desired

FILES

LIST PRICES PER DOZEN

KINDS	4"	5"	5½"	6"	7"	8"	10"	12"	14"	16"	18"
Aluminum Type "A" Flat*				7.90		10.40	12.60	16.30	21.50		
Aluminum Type "A" Half Round*				15.60		17.80	20.00	23.70	29.60		
Auger Bit					6.60						
Bandsaw Blunt Regular				7.00		10.00					
Bandsaw Blunt Slim				5.80		7.90					
Brass Half Round*						17.80	20.00	23.70			
Cabinet Files						14.90	20.30	27.80			
Cantsaw				8.00	9.00*	9.40	12.90				
Chain Saw No. 2850, Round Bastard, ⅜"						8.80					
Chain Saw No. 2711, Round Smooth, ⅜"						8.80					
Chain Saw No. 2714, Round Bastard, ⅜"						7.70					
Chain Saw No. 2715, Round Smooth, ⅜"						9.00					
Chain Saw No. 2843, Round Bastard, ¼"						8.30					
Chain Saw No. 2720, Round Smooth, ¼"						8.80					
Chain Saw No. 2909, Round Smooth, ¼"						8.80					
Chain Saw No. 2724, Round Bastard, ⅜"						9.10					
Chain Saw No. 2716, Round Smooth, ⅜"						9.40					
Chain Saw No. 2953, Round Smooth, ⅜"						9.40					
Chain Saw No. 2673, Round Bastard, ⅜"						9.00					
Chain Saw No. 2672, Round Smooth, ⅜"						10.10					
Chain Saw No. 2910, Round Smooth, ⅜"						10.10					
Chain Saw No. 3212, Round, Flat Section, ⅜"						12.30					
Chain Saw No. 3067, Square Smooth, ⅜"						13.50					
Chain Saw No. 2712, Square Smooth, ¼"						13.50					
Chain Saw No. 2842, Square Smooth, ¼"				7.10							
Chain Saw No. 3084, Narrow Mill, ⅝"						8.60					
Chain Saw No. 3365, Lozenge Smooth, 11/32" x 15/64"				14.80							
Crosscut				9.00*		11.10	13.50				
Crosscut Special				5.80	6.40	7.20	10.00				
Double Ender				5.20	5.20	5.80	7.20	Also 9"			
								6.50			
Flat Bastard	5.40			6.40		7.90	10.40	14.40	19.70	26.30	35.40
Flat Second Cut	6.40			7.10		9.00	12.00	16.30	22.70	29.80	
Flat Smooth	7.00			7.90		9.80	12.90	17.90	24.80	33.00	
Foundry Flat						7.90	10.40	14.40	19.70		
Foundry Half Round						11.10	13.50	17.40	22.90		
Half Round Bastard	7.10			9.00		11.10	13.50	17.40	22.90	30.50	
Half Round Second Cut	8.30			10.00		12.30	14.90	19.30	25.20		
Half Round Smooth	9.00			10.50		13.20	15.90	20.60	27.10	35.90	
Hand Bastard				6.40		8.00	11.10	15.90	22.30		
Hand Second Cut				7.60		9.30	12.90	18.20	25.20		
Hand Smooth				8.30		9.90	13.90	20.00	27.00		
Knife Bastard	8.00			10.20		12.60	14.90				
Knife Second Cut	9.00			11.10		13.50	17.00				
Knife Smooth	9.40			11.70		14.00	18.20				
Lead Float Flat						9.30	12.70	17.40			
Lead Float Half Round						12.60	15.90	20.80			
Long Angle Lathe							12.70	17.40	23.70		

*Made in Grade A only.

(Continued on Next Page)

FILES (continued) LIST PRICES PER DOZEN

KINDS	4"	5"	5½"	6"	7"	8"	10"	12"	14"	16"	18"
Mill Bastard	4.50	.....	.....	5.20	5.80	6.40	8.30	11.10	15.90	21.80	.....
Mill Second Cut	5.20*	.....	.....	5.90	.....	7.20	9.40	12.70	18.10	.....	.....
Mill Smooth	5.80*	.....	.....	6.70	.....	8.00	10.40	13.90	19.40	.....	.....
Mill Bastard 1 R. E. ....	.....	.....	.....	5.80	.....	7.10	9.30	12.40	.....	.....	.....
Mill Bastard 2 R. E. ....	.....	.....	.....	6.50	.....	8.00	10.40	.....	.....	.....	.....
Multi Cut .....	.....	.....	.....	.....	.....	8.80	11.50	15.90	21.40	.....	.....
Pillar Bastard .....	.....	.....	.....	6.40	.....	8.00	11.10	15.90	22.30*	.....	.....
Pillar Second Cut .....	.....	.....	.....	7.60	.....	9.30	12.90	.....	.....	.....	.....
Pillar Smooth .....	.....	.....	.....	8.30	.....	10.00	13.90	.....	.....	.....	.....
Round Bastard	4.50	.....	.....	5.20	5.80	6.40	8.30	11.10	15.90	21.80	.....
Round Second Cut	5.20	.....	.....	5.90	.....	7.20	9.40	12.70	18.10	.....	.....
Round Smooth	5.80	.....	.....	6.70	.....	8.00	10.40	13.90	19.40	.....	.....
Square Bastard	5.60	.....	.....	6.80	.....	8.10	11.00	15.10	20.60	27.80	.....
Square Second Cut	6.80	.....	.....	7.60	.....	9.30	12.60	17.00	23.80	.....	.....
Square Smooth	7.20	.....	.....	8.10	.....	10.40	13.50	19.00	25.90	.....	.....
Taper .....	.....	.....	.....	5.00	6.40	8.00	12.00	.....	.....	.....	.....
Taper Slim	3.30	3.70	.....	4.60	5.60	6.70	9.40	.....	.....	.....	.....
Taper Extra Slim	3.30	3.70	4.30	4.60	5.60	6.70	.....	.....	.....	.....	.....
Taper Double Extra Slim	3.30	3.70	.....	4.60	5.60	6.70	.....	.....	.....	.....	.....
Three Square Bastard .....	.....	.....	.....	9.00	.....	11.10	13.50	17.40	.....	.....	.....
Three Square Second Cut .....	.....	.....	.....	10.00	.....	12.30	14.90	19.30	.....	.....	.....
Three Square Smooth .....	.....	.....	.....	10.50	.....	13.20	15.90	20.60	.....	.....	.....
Warding Bastard	5.90	.....	.....	7.20	.....	9.40	12.90	18.20*	.....	.....	.....
Warding Second Cut	7.10	.....	.....	8.80	.....	11.10	14.90	.....	.....	.....	.....
Warding Smooth	8.00	.....	.....	9.40	.....	12.20	16.30	.....	.....	.....	.....

RASPS LIST PRICES PER DOZEN

KINDS	6"	8"	9"	10"	12"	14"	16"	18"	20"
Cabinet Second Cut	14.90	19.00	.....	25.90	33.80	43.90	.....	.....	.....
Cabinet Smooth	17.30	22.90	.....	30.70	39.70	50.20	.....	.....	.....
Horse, Plain, ½ File Regular .....	.....	.....	.....	.....	11.80	16.50	22.60	.....	.....
Horse, Plain, ½ File Slim .....	.....	.....	.....	.....	.....	.....	.....	23.90	30.50
Horse, Tanged, ½ File Regular .....	.....	.....	.....	.....	15.60	21.40	29.80	.....	.....
Horse, Tanged, ½ File Thin .....	.....	.....	.....	.....	.....	20.30	.....	.....	.....
Race Trak, Tanged .....	.....	.....	.....	.....	.....	20.30	.....	.....	.....
Race Trak, Slim .....	.....	.....	.....	.....	.....	.....	.....	24.40	.....
Shoe, Half Round .....	.....	9.30	11.30	12.70	.....	.....	.....	.....	.....
Wood, Flat Bastard .....	.....	13.90	.....	19.00	25.90	34.30	45.60	.....	.....
Wood, Flat Smooth .....	.....	.....	.....	25.90	34.40	.....	.....	.....	.....
Wood, Half Round Bastard	12.00	14.90	.....	20.30	27.80	36.70	48.70	.....	.....
Wood, Half Round Smooth .....	.....	20.30	.....	27.80	36.70	.....	.....	.....	.....

VOLTAGE REGULATOR and IGNITION FILES

KINDS	Carded 1 Dz. on Card	Packed One Dz. Per Box	Bulk - 12 Dz. Per Box
5" Voltage Regulator, No. 2470	\$10.20 per dz.	.....	.....
6" Voltage Regular Riffler, No. 1997	\$15.20 per dz.	.....	.....
5" Ignition, Pocket Clip	\$25.20 per gross	\$23.60 per gross	\$23.30 per gross
5" Ignition, Straight Handle	\$16.60 per gross	\$16.10 per gross	\$15.80 per gross

FILE CARDS AND HANDLES

FILE CARDS, Plain	Per Doz.	\$ 4.00
FILE CARDS, COMBINATION (with Brush and Pick)	Per Doz.	\$16.50
FILE HANDLES	No.	104 106 108 110 112
List Price Per Gross		\$24.60 \$25.80 \$29.40 31.80 \$36.00

PRICES AND SPECIFICATIONS

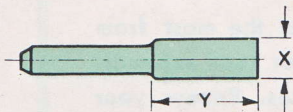
HELLER CARBIDE BURRS

The tools shown are standard shapes and sizes and will meet ninety per cent of industry's requirements. If, however, your particular job cannot be accomplished by any of the shapes or sizes described here, we invite your inquiries. Our engineers will be glad to develop any special burrs that you may require. All these tools are ground from the solid; all are available from stock in standard (medium) cuts. Fine, coarse, and diamond cuts may be had on request.

The tools below (except the grinding burrs and center laps) are made with brazed steel shanks. Smaller sizes ($\frac{1}{8}$ " and $\frac{1}{4}$ ") made in solid carbide (see reverse side).

PRICES LISTED ARE EACH NET, AND APPLY TO STANDARD (MEDIUM) CUT. FOR DIAMOND, FINE, OR COARSE CUTS ADD 5%.

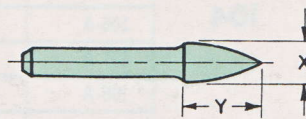
CYLINDRICAL



No.→	C-1	C-2	C-3
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{4}$ "	1"	1"
QUANTITIES			
1-4	\$12.10	\$17.00	\$21.25
5-11	10.90	15.30	19.10
12-24	10.30	14.45	18.00
25-49	9.70	13.60	17.00
Regrind	2.25	3.25	4.00

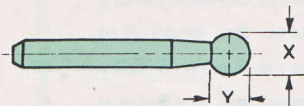
For end cut, add 10%.

TREE POINTED



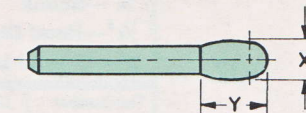
No.→	C-40	C-41
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Y	$\frac{3}{4}$ "	$\frac{3}{4}$ "
QUANTITIES		
1-4	\$11.70	\$15.30
5-11	10.50	13.75
12-24	9.95	13.00
25-49	9.35	12.25
Regrind	2.25	2.75

BALL



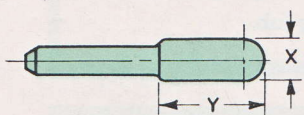
No.→	C-10	C-11	C-12
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "
QUANTITIES			
1-4	\$10.65	\$13.25	\$18.00
5-11	9.60	11.90	16.20
12-24	9.05	11.30	15.30
25-49	8.55	10.60	14.40
Regrind	1.75	2.00	2.75

OVAL.



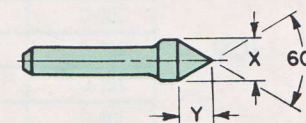
No.→	C-50	C-51	C-52
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{8}$ "	$\frac{3}{8}$ "	1"
QUANTITIES			
1-4	\$11.90	\$16.80	\$21.90
5-11	10.70	15.10	19.70
12-24	10.10	14.30	18.60
25-49	9.50	13.45	17.50
Regrind	2.25	3.25	4.00

CYLINDRICAL BALL NOSE



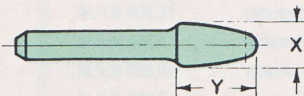
No.→	C-20	C-21	C-22
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{4}$ "	1"	1"
QUANTITIES			
1-4	\$12.55	\$17.40	\$21.90
5-11	11.30	15.65	19.70
12-24	10.70	14.75	18.60
25-49	10.00	13.95	17.50
Regrind	2.25	3.25	4.00

60° INCLUDED ANGLE



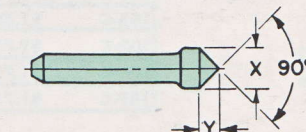
No.→	C-60	C-61	C-62
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "
QUANTITIES			
1-4	\$10.00	\$12.75	\$15.90
5-11	9.00	11.50	14.30
12-24	8.50	10.80	13.50
25-49	8.00	10.20	12.70
Regrind	2.00	2.50	3.25

TREE RADIUS END



No.→	C-30	C-31	C-32
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{4}$ "	1"	1"
QUANTITIES			
1-4	\$11.70	\$16.60	\$21.25
5-11	10.50	14.95	19.10
12-24	9.95	14.10	18.00
25-49	9.35	13.30	17.00
Regrind	2.25	3.25	4.00

90° INCLUDED ANGLE



No.→	C-90	C-91	C-92
X	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Y	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{4}$ "
QUANTITIES			
1-4	\$ 9.80	\$11.45	\$14.35
5-11	8.80	10.30	12.90
12-24	8.35	9.75	12.20
25-49	7.85	9.15	11.50
Regrind	2.00	2.50	3.25

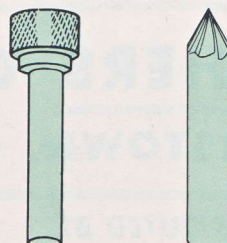
Medium cut will be furnished when cut is not specified.

All Series "C" burrs are furnished with $\frac{1}{4}$ " diameter x $1\frac{5}{8}$ " long shanks.

HELLER CARBIDE GRINDING BURRS

No.→	70-A	70-B	70-C	70-E	70-G
Head Dia.	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Shank	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "
O.A.L.	$1\frac{1}{2}$ "	2"	2"	$2\frac{1}{4}$ "	$2\frac{1}{2}$ "
QUANTITIES	PRICE	PRICE	PRICE	PRICE	PRICE
1-3	\$15.00	\$18.00	\$20.00	\$22.00	\$24.00
4-6	12.75	15.25	17.00	18.75	20.50
Regrind	3.75	4.50	5.00	5.50	6.00

Type 70 Series are furnished in diamond cut only



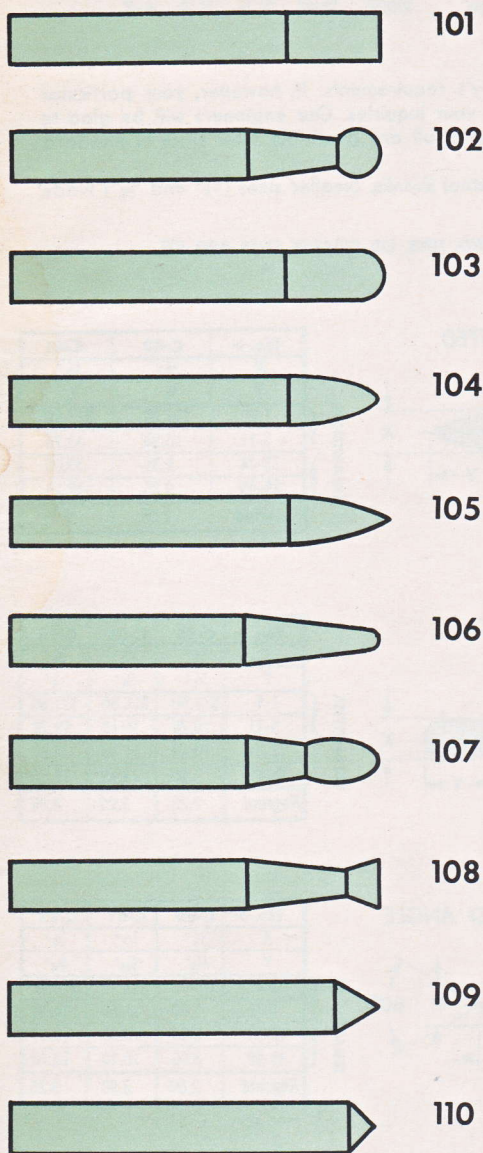
HELLER CARBIDE CENTER LAPS

No.→	80-CS	80-EP	80-GP
Head Dia.	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
O.A.L.	2"	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "
QUANTITIES	PRICE	PRICE	PRICE
1-3	\$12.00	\$15.00	\$18.00
4-6	10.20	12.75	15.25
Regrind	3.00	3.75	4.50

60° included angle furnished unless otherwise specified

HELLER SOLID CARBIDE BURRS

PRICES LISTED ARE EACH NET



The above tools can be purchased in sets of 10 tools of either the 1/4" or the 1/8" size put up in neat container.

1/8" SHANKS		
1/8"—Shank 1/8"—Head Diameter 1 1/2"—Overall Length		
Tool Number	Length of Head	Price Each
101-A	3/8"	1-4
102-A	1/8"	\$5.25
103-A	3/8"	5-11
104-A	3/8"	\$4.75
105-A	3/8"	12-24
106-A	3/8"	\$4.45
107-A	7/32"	25-49
108-A	1/8"	\$4.20
109-A	1/8"	
110-A	1/16"	
REGRINDING		\$1.25

1/4" SHANKS		
1/4"—Shank 1/4"—Head Diameter 2"—Overall Length		
Tool Number	Length of Head	Price Each
101-C	1/2"	1-4
102-C	1/4"	\$8.75
103-C	1/2"	5-11
104-C	1/2"	\$7.90
105-C	1/2"	12-24
106-C	3/4"	\$7.45
107-C	3/8"	25-49
108-C	3/16"	\$7.00
109-C	3/16"	
110-C	1/8"	

REGRINDING			
101-C	\$1.75	106-C	\$2.00
102-C	\$1.50	107-C	\$1.75
103-C	\$1.75	108-C	\$1.50
104-C	\$1.75	109-C	\$1.50
105-C	\$1.75	110-C	\$1.25

Don't Throw Away Your Worn Burrs

... Take advantage of our **REGRINDING SERVICE**

Get the most from your tool expenditures. Renew your burrs at fraction of cost of new ones. Effect substantial savings.

We have a complete regrinding service for carbide rotary burrs. For burrs that have been badly damaged, we have a complete reconditioning and salvaging service. We shall be glad to quote prices on any reconditioning job.

Recommended Speeds for Carbide Burrs

APPROX.

1/8" Diameter	25,000 R.P.M.
1/4" Diameter	20,000 R.P.M.
3/8" Diameter	16,500 R.P.M.
1/2" Diameter	12,500 R.P.M.
5/8" Diameter	10,000 R.P.M.
3/4" Diameter	7,500 R.P.M.
7/8" Diameter	6,000 R.P.M.
1" Diameter	4,750 R.P.M.

HELLER BROTHERS COMPANY

A NEW JERSEY CORPORATION

NEWCOMERSTOWN, OHIO

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